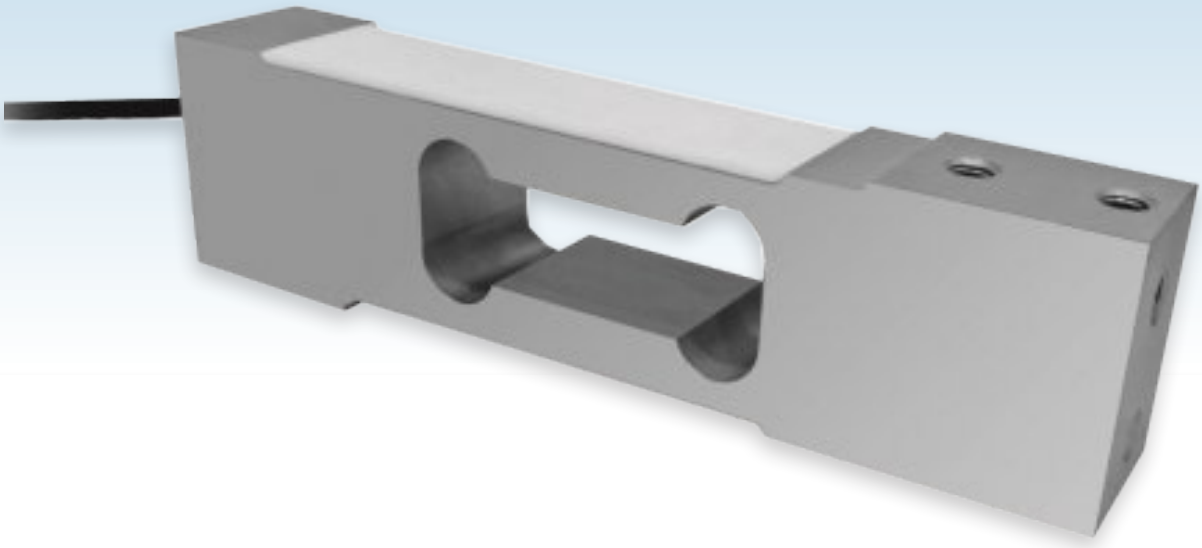
T5

Thames Side

ALUMINIUM SINGLE POINT LOAD CELL

capacities 3kg - 100kg



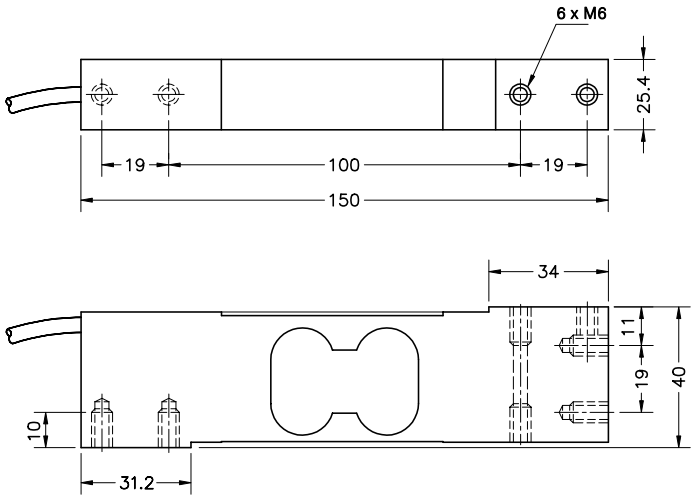
This double bending beam single point load cell is manufactured from high quality aluminium alloy. Its design allows for high accuracy weight measurement with off-centre loads. It's potted and sealed to IP66.

Typical applications include: single point platforms up to 400 x 400mm in size, small buckets and hoppers supported by a single load cell, small bagging & dosing machines as well as filling scales.

- High quality aluminium alloy load sensor
- High accuracy with off-centre loads
- Potted and sealed to IP66
- 3000 divisions performance
- 2 year warranty
- 400 x 400mm maximum platform size (load cell placed centrally under the platform)

T5

technical specification...

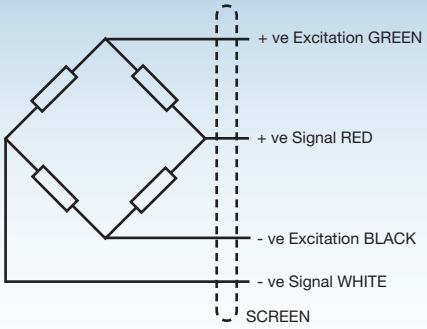


All dimensions in mm

T5 Load Cell

	Load cell specification	Units
Load Cell Capacity (E_{max})	3, 5, 8, 10, 15, 20, 30, 50, 75, 100	kg
Rated Output (S_n)	2	mV/V ± 10 %
Combined Error	< ± 0.017	% S_n
Non-repeatability	< ± 0.01	% S_n
Minimum load cell interval (v_{min}) = E_{max} / Y	E_{max} / 10000	kg
Creep (30 minutes)	< ± 0.016	% S_n
Temperature Effect on Zero Balance	< ± 0.002	% S_n / ˚C
Temperature Effect on Span	< ± 0.0012	% S_n / ˚C
Compensated Temperature Range	-10 to +40	˚C
Operating Temperature Range	-20 to +70	˚C
Safe Overload	150	% E_{max} *
Ultimate Overload	200	% E_{max} *
Zero Balance	< ± 2	% S_n
Input Resistance	400	Ω ± 20
Output Resistance	350	Ω ± 3
Insulation Resistance	> 5000	MΩ @ 100V
Recommended Supply Voltage	5-15	V
Maximum Supply Voltage	15	V
Environmental Protection	IP66	-
Maximum deflection at E_{max}	0.3 - 0.5	mm
Cable Length	3	m
Cable Material	PVC	-
Nominal Shipping Weight	0.5	kg

* Load limit applies to central loads only. Load limit for off-centre loads will be lower.



Electrical Connections

Via 4 core, 4mm diameter, screened PVC cable.
Screen not connected electrically to load cell.

Construction

Load cell manufactured from high quality aluminium alloy

DISTRIBUTED BY:

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Our policy is one of continuous product enhancement. We therefore reserve the right to incorporate technical modifications without prior notification.